

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

AUG 19 1999

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GW - below standards
No BT/12
RECEIVED
MAY 27 1999

Approved
PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

Operator: Phillips Petroleum (Williams Field Services)

Telephone: (801) 584-6361

Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900

WellName: SJ 29-5 COM. #104 PC

(85546)

Location: Unit or Qtr/Qtr Sec B Sec 10 T 29N R 5W County Rio Arriba

PitType Drip

LandType: Fee

Pit Location: Pit dimensions: length 20 ft., width 19 ft., depth 15 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 96 ft.

Direction from reference: 0 Degrees East of North

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 20

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or: less than
1000 feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) 0

Ranking Score (TOTAL POINTS): 20

Date Remediation Started: 9/17/98

Date Completed: 9/17/98

Remediation Method: Excavation ☒

Approx. Cubic Yard 211

(check all appropriate sections)

Landfarmed ☒Insitu Bioremediation ☐

Other Landfarmed soil after mechanical aeration.

Remediation Location: Onsite ☒ Offsite(ie. landfarmed onsite,
name and location of
offsite facility)

General Description Of Remedial Action:

The pit was excavated to remove gross petroleum contamination. The excavated material was mechanically aerated and placed into an onsite landfarm.

Ground Water Encountered: Yes

Final Pit:

Sample location SJ-29-5#104PC-V-EXFL-01

Closure Sampling:

(if multiple samples, attach
sample results and diagram
of sample locations and
depths)

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

Sample depth 15 feet

Sample date 9/18/98

Sample time 10:30

Sample Result

Benzene (ppm) <0.050

Total BTEX (ppm) <0.050

Field Headspace (ppm)

TPH (ppm) <2.0

Ground Water Sample: Yes

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5-20-99

SIGNATURE

PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

Date: 9/17/98

85546

Weather SUNNY ~ 80°

Well Name SJ 29-5 # 104 pm Operator PHILLIPS

Sec 10 T29N R 54W UL B

Land Type: BLM STATE FEF INDIAN

County RIO ARriba

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

Pit Location:

Reference Wellhead X Other

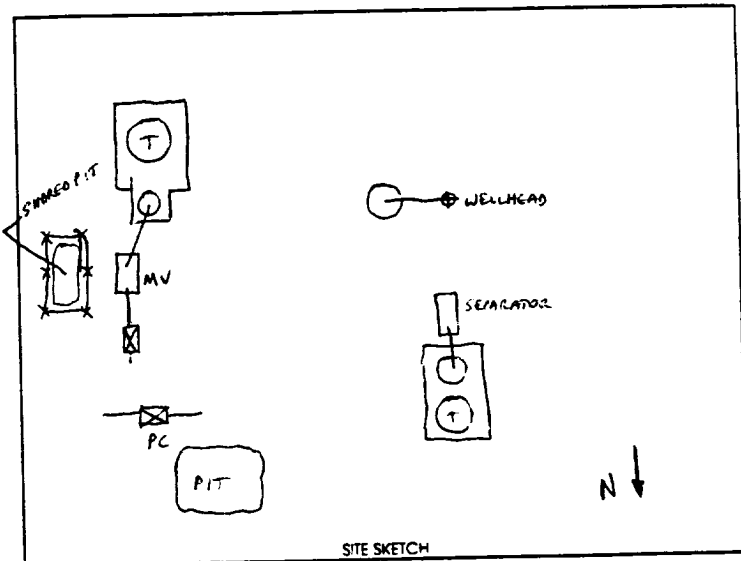
Distance from: 96'

Direction: 0 Degrees X E N X

_____ of _____ W _____ S _____

Starting Pit Dimensions 16' x 15' x 3'

Final Pit Dimensions 20 x 19 x 15'



Organic Vapor Readings: Start

Start
@ 2'
@ 4'
@ 6'
@ 8'
@ 10'
@ 15'

Soil Description: SILTY SAND

11 11
 11 11
 11 11 11/CMY
 11 11 11
 11 11 11
 SANO

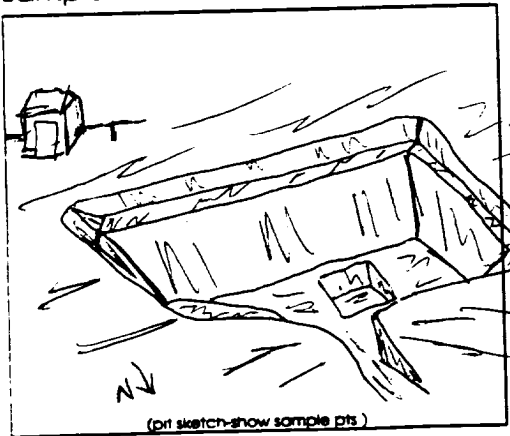
Well Proximity To: Residence, Domestic Water Well, Stock Well None
Arroyo, Wash, Lake, Stream LA JARA WASH ~ 150 YDS WEST
Estimated or Known Distance to Ground Water ~ 14'

Source of Backfill (if other than processed material) _____

Samples collected:

Type	Progress:	Verification:	ID	
				soil / water
				soil / water
				soil / water

Sample sent to Lab Via: Courier Hand Carried Other _____ Preservative: ICE Other _____



Comments: ONLY SOIL @ SURFACE — CLEANS UP VISUALLY @ ~6' —
CONTINUE EXCAVATING — SOIL HAS SLIGHT TO MODERATE HYDROCARBON
ODOR — METER RUN ON SOUTH SIDE + DIGGING ON EAST SIDE PREVENT
EXCAVATING IN THOSE DIRECTIONS — SOME DISCOLORED SOIL ON WEST WALL
— NO HYDROCARBON ODOR — CLEAN SAND @ FLOOR DEPTH — SMOKE MUST
— OVERNIGHT GROUNDWATER INFILTRATES — SAMPLE COLLECTED FROM PIT —
RETURN TO SITE + SHRED SOIL — LANDFARM —

Soil Shipped to:

Prepared by: M. J. [Signature]

Q W A L L A B O R A T O R I E S , I N C .

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT:

REFERENCE #: 9809679

SENT WILLIAMS FIELD SERVICE-MS4JI
TO: P.O. BOX 58900
SALT LAKE CITY, UTAH 84108
MARK HARVEY
PROJECT: CRZ DISTRICT 98

DATE REPORTED: 09/23/98
DATE COLLECTED: 09/18/98
DATE RECEIVED: 09/22/98

Reference Fraction: 9809679-01A
Sample ID: SJ-29-5#104PC-V-EXFL-01 / 85546
Sample Date Collected: 09/18/98 10:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2.0	09/23/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/22/98	JLO
TOLUENE		ND	MG/KG	0.050	09/22/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/22/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/22/98	JLO
BFB (SURROGATE)		104	125	75		

ND=NONE DETECTED
DL=DETECTION LIMIT
SU=STANDARD UNITS
B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER
LABORATORY DIRECTOR

Q W A L L A B O R A T O R I E S, I N C.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

REFERENCE #: 9809679

LABORATORY REPORT:

SENT **WILLIAMS FIELD SERVICE-MS4JI**
 TO: **P.O. BOX 58900**
SALT LAKE CITY, UTAH 84108
MARK HARVEY
 PROJECT: CRZ DISTRICT 98

DATE REPORTED: 09/23/98
 DATE COLLECTED: 09/18/98
 DATE RECEIVED: 09/22/98

Reference Fraction: 9809679-02A
 Sample ID: SJ-29-5#104PC-V-EXWA-01
 Sample Date Collected: 09/18/98 10:30:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	14.2	MG/KG	2.0	09/23/98	SKW
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	09/22/98	JLO
TOLUENE		ND	MG/KG	0.050	09/22/98	JLO
ETHYLBENZENE		ND	MG/KG	0.050	09/22/98	JLO
TOTAL XYLENES		ND	MG/KG	0.050	09/22/98	JLO
BFB (SURROGATE)		101	125	75		

ND=NONE DETECTED
 DL=DETECTION LIMIT
 SU=STANDARD UNITS
 B=DETECTED IN METHOD BLANK

APPROVED BY: _____

TERRY KOESTER
 LABORATORY DIRECTOR

QWAL LABORATORIES, INC.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT:**REFERENCE #:** 9905122

SENT WILLIAMS FIELD SERVICE
TO: 295 CHIPETA WAY
SALT LAKE CITY, UTAH 84158
MARK HARVEY
PROJECT: NM PITS

DATE REPORTED: 05/19/99
DATE COLLECTED: 04/29/99
DATE RECEIVED: 05/05/99

Reference Fraction: 9905122-04A
Sample ID: SJ29-SCDM #104(PC)85546-LF
Sample Date Collected: 04/29/99 11:05:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	PQL	ANALYSED BY
TPH	SW846-8015	16.8	MG/KG	2	05/10/99 KKL

ND=NONE DETECTED
PQL=PRACTICAL QUANTITATION LIMIT
SU-STANDARD UNITS
B-DETECTED IN METHOD BLANK

APPROVED BY:


TERRY KOESTER
LABORATORY DIRECTOR

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 02-Oct-98

Client:	Williams Field Services	Client Sample Info:	KUTZ and PLA #9
Work Order:	9809055	Client Sample ID:	SJ 29-5 #104-GW-01
Lab ID:	9809055-03A	Matrix:	SOIL
Project:	KUTZ and PLA #9	Collection Date:	9/18/98 10:34:00 AM
		COC Record:	W1000

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
BTEX						Analyst: DC
8W8020A						
Benzene	ND	5		µg/L	5	9/22/98
Toluene	9.6	5		µg/L	5	9/22/98
Ethylbenzene	ND	5		µg/L	5	9/22/98
m,p-Xylene	24	10		µg/L	5	9/22/98
o-Xylene	10	5		µg/L	5	9/22/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr. - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -